BABYHOOD DANGERS OF CHICKS REMAIN

Do Not Pass After Few Weeks. but Must Be Guarded Against Later.

FIVE PRINCIPAL ELEMENTS

No Crowding, Good Food, Shade, Fresh Water, and Keep Down Vermin.

By J. MARRY WOLSTEFFER, Poultry Judge, Lecturer and Practical Poultry Raiser.

The successful poultry raiser-he who grows chicks from the egg to maturity— must in order to avoid retarding their growth provide them with roomy clean quarters, clean feed, fresh water and shade and must wage an everlasting war on lice, which thrive during the summer months. The beginner through his inexmonths. The beginner inrough his nex-perience does not realize the importance of these vital essentials the observance of every one of which is absolutely necessary if success is to be attained in poultry

With us the babyhood dangers of chicks With us the babyaood dangers of chicks are past when they are from ten days to three weeks old, which is the age of the chicks—healthy up to this point—now being raised by an army of beginners throughout the country. Yet thousands of them will be lost and many more thousands stunted through the mistakes of almost every beginner in poultry raising.

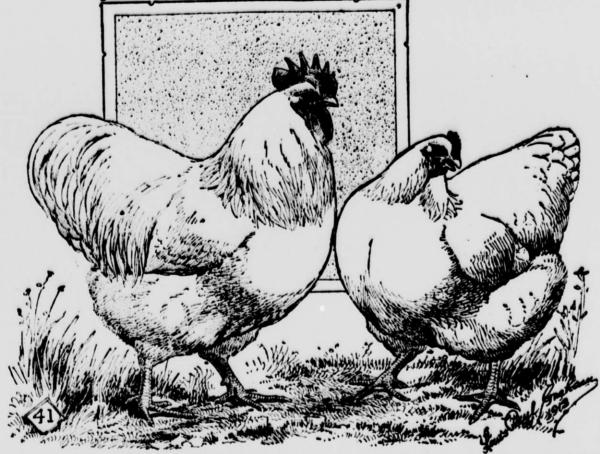
The first mistake is lack of fresh vir.
due to overcrowding and tack of proper quarters. The chicks have done well up to the ten day or three week period because the brooder quarters have been large enough in their infancy, but from now or as the chicks grow bigger they require more fresh air, which they will never re-ceive in crowded quarters. Overcrowding will always stunt growth of chicks, and standard weight. It should also be remembered that every time the growing chicks receive a check or setback it retards their maturity so much longer. How often do we hear in the late fall and early winter from the noultry raiser that his often do we hear in the late fall and early winter from the poultry raiser that his fowls are "old enough to lay and they look pretty good; other poultry raisers are obtaining eggs from fowls of the same age," though he is not? He fails to realize that during the growing period his chicks had received several setbacks, retarding their maturity. Fowls that should lay as a flock at from the and a half to six months from the shell did not lay for some weeks after, some not starting until seven and even eight months, due wholly to the mistakes made during the growing to the mistakes made during the growing season. Overcrowding the growing stock, hence lack of fresh air, is one of the first

be moved from place to place. If built suits either on range or in confinement, to stay in one position all the time, nothing is better than a concrete floor, covered with from one to two inches of fencing.

They are very docite, easily handled and readily confined by moderate sized fencing.

While it is true that this and many other breeds of fowls will do well in contime. The front of the poultry house should be boarded up two feet above the floor, and from there muslin frames should it is possible to give them a little range. should be boarded up two feet above the floor, and from there muslin frames should be hung to swing in, hooking them to the rafters when not in use. These frames should reach to the top plate raill, thus allowing the summer heat to escape from the house as much as possible. A one inch wire netting is tacked on the front to prevent sparrows and other birds from entering the house and to confine the chicks when the weather is bad. The chicks when the weather is bad. The chicks when the weather is bad. The northeast and west sides must be tight to prevent draughts. This style of house can be made as long as the poultry raiser desires, but it should be remembered that the wider the poultry house is made the higher the front should be. Seven and one-half feet will allow the

THRIVE EITHER ON RANGE OR IN CLOSE CONFINEMENT



England originated by the late William Cook. It was almost two years in the making and was first introduced about 1889. It did not reach America for several years. The fowls when mature weigh 7 to S pounds for females, and S 1-2 to 10 pounds for males. The hens are rated as good layers of large tinted eggs, and will become broody, ait, batch and rear their chicks. They stand confinement remarkably well and give antisfactory results either on free range or in timited space.

AMERICA SLOW ABOUT APPRECIATING BREED

But S. C. White Orpington Now Is Held in Esteem by All Fanciers.

By LOUIS PAUL GRAHAM.

e S. C. White Orpington was the se seems much during the growing stock, here and during the growing stock, here lack of fresh air, is one of the first causes of late development.

Possibly the lax group has been allowing the control of the body, the last growing and distribution of the control o

rectains a dead loss when infested with vermin.

The third essential is giving the growing stock comfortable quarters. How poultry live in some of the quarters one fowls, will become broody, sit, hatch and so often sees is a mystery. The poultry quarters should be at least is feet high in front, which should face the south if possible, or east of south. The house should be at least ten feet wide, and can be four or five feet high in the rear. As board floor is best if the house is to board floor is best if the house is to board floor place to place. If built be moved from place to place. If built be a superson in those who been a source of place in these been a source of place and the loss of them. They have been a source of them.

They have been a source of place, and the ithose who been a source of them.

They have large tinted eggs, and the items, like the American general purpose fowls, which should be different from other Leghorns is should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The photograph of them should be difficult to teil. The should be difficult to teil. The should be d

a day or more should be provided. This is in the majority of cases neglected, and is counted of small importance, yet every good poultry raiser will admit it is one of the important considerations if the best results are to be obtained. The regular commercial feeds can be fed simi-

WHEAT ALONE WILL NOT DO. Veither Will Corn for Making Eggs

-Protein Proportion Wrong.

Some years ago Prof. James Dryden delivered an address before the Utah Farmers Institute, from which this extract Farmers Institute, from which this extract is worthy of reproduction:

"A short study of the composition of wheat and of eggs will explain why a profitable egg yield cannot be expected from wheat alone. Supposing you feed a hen weighing about 3.5 pounds 3.25 ounces of wheat a day. Of course a hen of that weight would not long consume that weight of wheat alone. Supposing, further, that the hen uses 2.75 ounces of that for the maintenance of the body; that leaves half an ounce to be conveyed into eggs, assum-

A poultryman in Maryland claims to have a great find in the Danish White Legnorns. Just why the Leghorns from Denmark should be different from other Leghorns is difficult to teil. The photograph of them shows them about the same as other Legnorns. It seems to be rather the feeding and selection than the breed that bring the best results.

try will hold such meetings.

The Baltimore show dates are January 5 to 10, 1914. George O. Brown, 2027 East North avenue, is the secretary. Baltimore has the finest show hall in the country and puts up a great show every time.

It doesn't cost the world to go into the chicken business, and the one who goes into it in a one man way at first and learns it thoroughly is sure to be well satisfied with his investment.

June hatched chicks, if grown where

June hatched chicks, if grown where shade is pientiful, often make very fine specimens when matured. If you have the time, the room and the wherewithal try a flock of June chicks. Right now be careful of all mixed feeds containing cracked grains and be sure that the corn is right. This is the season when corn spoils quickly. Don't feed mouldy or musty grains or cracked grains that look and smell off color. Spoiled corn, green heart corn, is poison for chicks and fowls. It will kill little chicks and will put adult fowls quickly out of condition. Be sure that your feeding grains are sound, sweet and wholesome.

\$48,000,000 YEARLY IN

an ounce to be conveyed into eggs, assum-ing that all the food is digested, which of alone spends more than \$48,000,000 for

all probability due to mites or lice.

Spray the poultry house once a week with some of the general blocky orpinated type. They have large house of the Lancaster rain one of the sec ares it would have been one of the sec are it would have been one of the sec ares it would have been one of the sec are would make an one of the sec ares it would have been one of the sec ares it would have been one of the sec ares it would have been one on the foor on archer will be one of the sec are

wheat raisers nor the corn growers earned wheat raisers nor the corn growers earned enough money to pay for the hen crop. There is an average of 200 eggs a year fat ones its coffers rapidly empty, which for each of us, but the fact is we do not seems to be the case now.

Up to the present the necessary capital.

wine clarifying, photographic work, 500k-binding. Ac.

Much of the increased proluction of poultry products is due to the incubator and its helpment, the brooder. They are used now by thousands all over the country and have proved to be a success in every way. There are some poultry farms on Long Island producing annually over 500,000 chickens, all by artificial hatching and raising. Such a plant would be impossible by the old hen methods. In the face of all these facts and figures, do we hear the old time farmer say to his

BUFF FAVEROLLES APPEAR.

Latest Variety of New Breed Scome Set for Good Future.

More than a year ago the prediction was made that the day was not far distant when the White Faverolle would challenge the Orpington for the place in the front line, and to-day the prediction is almost a fact. White Faverolles are about \$12,250,000, and the approaching term to the control of the prediction of the control of the contro

As you more should be provided. This case has been as a long as the positive raiser desires, but it should be remonstant to the positive raiser desires, but it should be remonstant to the positive raiser desires, but it should be remonstant to the positive raiser desires, but it should be remonstant to the positive raiser desires, but it should be remonstant to the positive raiser will admit it to me the saven and one-half feet will allow that the positive raiser will admit it to me the saven and one-half feet will allow that the positive raiser will be a saven and one-half feet will allow that the positive raiser will be a saven and one-half feet will allow that the positive raiser will be a saven and one-half feet will allow that the positive raiser will be a saven and one-half feet will allow that the positive raiser will be possible to possible the possible raiser will be provided by mixing allows allow that the possible raiser will prove that the possible raiser will prove the possible provided by mixing allows allow and the possible possible provided by mixing allows allow that the possible provided by mixing allows allow and the possible provided by mixing allows allows and the possible provided by mixing allo

SPENT HONEYMOON **DODGING OUTLAWS**

Automobile and Horses Taken, Young Couple Tramp Miles Through Mountains.

SAN ANTONIO, June 7.—M. B. Telsor and his bride are spending a few days in the remote border town of Boquillas, resting from a strenuous trip of 200 miles through the mountainous portion of northern Mexico, which they made to escape death at the heads of outland. he hands of outlaws.

Mr. Telsor was manager of a ranch on the plateau known as Llano de los Cristianos, more than 300 miles from the nearest railroad point. He is an American. While on a visit to San Antonio, Tex., six weeks ago, he married Miss Dora Seltrous. The young lady was reared on a ranch in West-ern Texas, and when her husband suggested that she remain with her parents in San Antonio pending an improvement of con-ditions in Mexico she told Mr. Telsor that nothing would delight her more than to be with him upon the remote Mexican ranch

be with him upon the remote Mexican ranch amid quiet surroundings.
"Our troubles began shortly after we crossed the Rio Grande at Eagle Pass on our way to the ranch," said Mr. Telsor.
"On my way out of the country I had left my motor car at Eagle Pass and my wife and I started to the ranch in it. We were passing through Allende, about thirty miles below the boundary line, when we were below the boundary line, when we were held up by a ragged Mexican and a number of peons, who informed us they were con

stitutionalists.

The leader said he would have to com mandeer my automobile. He confiscated it, giving me a receipt for its value, the sum to be paid when the Constitutionalists get control of the Government. I made vigorous protest against the proceedings. threatening to bring down the wrath of the United States Government upon their heads. They only laughed and shrugged their shoulders. I finally managed to enlist their sympathy enough to get them to provide us with two horses with which to continue our journey. On the fifth day a troop of twenty armed men surrounded

GOTHAM FOR POULTRY

"I knew the desperate character of many of the border Mexicans and what I worst feared was an attempt on the part of the band to carry off my bride. It looked like serious trouble when three of the Mexicans dismounted and stood in a group discussing the situation in low tones. They had already taken possession of our two horses and saddles. With their rifles in their hands the three men walked to the door and peered inside. When the intruders saw us they removed their hats and bowed in the ourteous manner that is common to all Mexicans. They are polite even when

"in a quiet, polite way, the Mexicans told me the Constitutionalists were in need of horses and money. Would I and my beau-

the factory to use for calico prints. has been found, first by the heavy clarifying, photographic work, book-deposits exacted from all its func

we hear the old time farmer say to his other hand the amount of guarantees of the wife that chickens are a nuisance and do not pay?

Other hand the amount of guarantees of the employees has diminished through the system of mutual guaranteeing, while the expenses have largely increased through the raising of salaries due to the general dearness of the cost of living.

There are always four periods, n

the quarter days, when large sums are re-quired to meet the demands of those who are compelled to pawn in order to pay their rents, and last April the Mont de Piete managed to borrow \$400,000, which never-

As compared with the figures for 1911, this joved.

POULTRY DIRECTORY

Count Them in the Fall

Pronts depend on the number of chickens matured, not on the number hatched. What proportion can you bring through? Are you existed with the average results you secure each year? Just try the better way and experience the satisfaction of a highly successful season. It is easy! Secure from your dealer, or direct from us if necessary, these preparations: Baby Chick Food

White Diarrhea Remedy This combination furnishes just what you need to grow the best chicks, and lots of them. It starts them right, strong, vigorous, husky, and keeps them free from the worst chick disease.

After the chicks reach three weeks of age, include in their ration a small amount of Pratts Poultry Regulator—25c, 50c, 31; 25 pounds, \$2.50.

This will keep them healthy and vigorous right up to maturity.

Chickes lves are comfort destroyers and stunt growth. An occasional dusting with Pratts Powdered Lice Killer—25c, 50c,

win insure freedom from these trouble makers.
Use these products according to directions. You take no risk. Remember the
use these products according to directions. You take no risk. Remember the
use these products are risk of the product are sold by dealers everywhere, or
Our products are sold by dealers everywhere, or

PRATT FOOD COMPANY

BABY CHICKS.

Rosemary Baby Chicks



Our Rose and Chick trade mark is an emblem of Honesty and Quality. Our Motto is, not how many chicks can we produce, but how good. We accept an order in good faith and we fill it in the same manner. All of our chicks are guaranteed pure bred and safely delivered. We live up to the spirit as well as the letter of our guarantee. We will have 6,000 S. C. White and Buff Leghorn chicks ready for delivery June 10th, 11th and 12th. Prices: S. C. White Leghorn, 25, \$2.50; 50, \$4.03; 100, \$8.00. S. C. Buff Leghorn, 25, \$3.59, 50, \$6.00; 100, \$12.00.

Rosemary Poultry Farm, Frenchtown, N. J. O. E. & A. B. BRODERICK.

Little Chicks

Rhode Island Reds, Barred Rocks,

Bartels' Bully Scratch Food, Bartels' Bully Chick Food, \$2.75 per 100,1bs.

belivered free to all city and suburban WILLIAM BARTELS CO.,

LEGHORNS.

CHRISTIE'S S.C. White and Brown LEGHORNS

Having been bred for thirteen consecutive years, represented in every State in the Union, Austria, South America, Bermuda and Canada, they stand to-day without an equal as egg producers, the foundation upon which all branches of the poultry industry hinge. Would thousands of our pleased patrons place increased orders with us year in and year out if our birds were not just as we represent them? There can be only one answer to the above question, and that is "NO." Then why ponder, when we offer Day-old Chicks and Eggs for offer Day-old Chicks and Eggs for hatching, from the world's greatest layers? "Better be right than earry." Write today for our illustrated catalogue. S. C. White and Brown Leghern Chicks, \$15.00 per 100.

Wayne Poultry Farm P. O. Box 18. Steny Point, N. Y

PARAWA WHITE LEGHORNS

Winners of first and special prizes, cups and aweepstakes at prominent Eastern shows during the last twelve years and known the country "The Leading Strain of Hezvy Layers."

LEWIS T. McLEAN, catalogue

ORPINGTONS.

HARMONY PARK SCOTCH PLAINS, N. J.

AN UNUSUAL OPPORTUNITY FOR YEARLING STOCK. Must make room for 2000 Young White Orpingtons. VISITORS WELCOME. 26 miles from N. Y. C. R. R. of N. J. Westfield station.

FORTUNE TOLD BY CARDS TRUE. Milwaukee Woman's Faith Reward. ed by \$15,000 Legacy.

MILWAUREE, June 7. For fifteen years Pans, June 7.—The figures of the revenue Mrs. Nellie Cousins told her fortune with derived by the State from the sale of tobacco cards, never losing confidence in their in France for the year 1912 have just been efficacy. For fifteen years she went about published, and are interesting as showing her employment in stores in order to help the remarkable increase in consumption her husband maintain their little home.

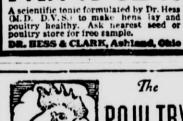


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DR. HESS-POULTRY PAN-A-CE-A





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and seller. It tells you how, when and where to buy stock, supplies, baby chicks, eggs for batching, Ac.

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Helpful hints by an expert poultryman about breeds adapted to your wants and ways of securing best results. Personal replies to every inpurity. No charge to either party for this service. Address

POULTRY INFORMATION BUREAU New York Sun, N. Y.

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DANYSZ VIRUS contains the germs of a disease peculiar to rate and mice only and is absolutely harmless to birds, human beings and other animals. The rodents always die in the open, because of feve ish condition. The disease is also contagious them. Eastly prepared and applied. How much to use. A small house, one who Ordinary dwelling, threat the Ordinary dwelling, three tubes of rats arous, not less than 6 tubes. One or two diarge stable with hay loft and yard or 5 or floor space in building. Price One to 3 tubes, \$1.75; 6 tubes, \$2.25; one doz. 56.

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roaches, bugs, files, moths, beetles CHICKEN LICE, Also chicken disinfectants. Try them, 50c. and 61.00 a car CAPABLE DISTRICT MANAGERS WANTED

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the remarkable increase in consumption and revenue over those of 1911.

At hight after her work was cleared away in the form of pipe tobacco, cigarettes she went back to the faithful old deck of and cigars, \$8,200,000 pounds of tobacco were consumed last year, which has supplemented the funds of the treasury by \$107,—

the five and ten of diamonds six times in succession Sunday night she was over
to consumed to the funds of the treasury by \$107,—

This depths an autority in the five and ten of diamonds six times in succession Sunday night she was over
This depth and service to the \$15,000 estate of Mrs. Carrie breach.

The first properties of the funds of the treasury by \$107,—

The first properties of the first in succession Sunday night she was over- Philadelphia, an aunt.

As compared with the figures for 1911, this joyed.

"Our fortune is going to change," she tobacco in the three forms mentioned, told her husband. "I know it is. The cards while the revenue has been augmented by tell me so and the cards do not lie."

She out the letter aside and went to her work at Lefty's. She will finish out the same that the figures for the present the figures for the prese